



TEERTHANKER MAHAVEER UNIVERSITY, MORADABAD

Medical Research at Undergraduate Level (MBBS)

The Department of Pharmacology, TMMCRC, is trying to inculcate a habit for performing research at the undergraduate level. The purpose of exposing the students at the undergraduate level is to develop a positive attitude towards scientific research. It not only helps in building up curiosity in these students but also helps in critical thinking, reasoning skills, searching literature and writing skills. The long term benefits of exposing the undergraduate to the Medical research includes advantage over peers in post graduate admission in foreign universities based on the quality of research, provides a high level of motivation and also adds a high value to CV of the students. We have been trying to take up ICMR projects for undergraduate students who are in their first, second and third year of course. Once these students are selected for the STS (Short-Term Studentship) they are eligible for a stipend of **rupees ten thousand** and a certificate is issued to them on completion of the project. This helps the students in our institute to be at par with the other medical undergraduates from the country. The avenues created are ample if students enrol in these programs, they become aware of various research conferences being out in India and abroad as well as get the opportunity to present their paper as well as publish it. The Department of Pharmacology, TMMCRC under Dr.Prithpal Singh Matreja (Prof & HOD, Dept. Of Pharmacology) have achieved some success in this through regular orientation and motivation to all the students.

Three of our undergraduates have successfully completed their ICMR-STs project (2017) and have received certificates from ICMR:

S. No.	Project Title	Year	Principal/Co-Investigator(S)	Status Completed/In Process
1	To evaluate the Outcome of use of different inhalers and their techniques in patients with COPD.	2017	1. Dr.ShaileeShail 2. Dr.MazherMaqusood 3. Dr.Prithpal Singh Matreja	Completed
2.	To study the pattern of histopathology of gall bladder of patients undergoing cholecystectomy	2017	1. Dr.RuchirTaneja 2. Dr.Ashutosh Kumar 3. Dr. S Dutta 4. Dr. D Datta 5. Dr.Prithpal Singh Matreja	Completed

3	To determine the time of initiation of breastfeeding in neonates admitted in postnatal wards and factors associated with delay in initiation of breastfeeding	2017	1. Dr.ShubhanginiSoni 2. Dr. Vishal ParkashGiri 3. Dr.PriyankaKumawat 4. Dr.Prithpal Singh Matreja	Completed
---	---	------	---	-----------

Apart from ICMR projects one of the students successfully completed her project unaided:

S. No.	Project Title	Year	Principal/Co-Investigator(S)	StatusCompleted/ In Process
1	Awareness of laparoscopic cholecystectomy in rural population.	2017	1. Ms.Latika Mittal 2. Dr. S C Sharma 3. Dr.Prithpal Singh Matreja.	Completed

The undergraduate students had also participated in undergraduate Research workshop:

S. No.	Title	Nature of Activity (Conference/Seminar/Workshop/Ext. Lecture)	Level (National/ International)	Name of College/ Organization	Date
1	XLIII Annual Conference Association of Surgeons of India – UP Chapter (UG) 1- Ms.Latika Mittal.	Conference	State	BHU Varanasi	17-19 November 2017
2	Empower 2017 (UG) 1. Ms.Latika Mittal. 2. Ms.SubhanginiSoni.	Workshop	National	Stanley GMC, Chennai	17-21 July, 2017

One of our UG students presented her research paper and also got a certificate of merit for the same:

S. No.	Name of Awardee	Programme & Session	Description of Prizes/Awards	Organization	Date
1.	Ms.LatikaMittal (UG Student)	UPASICON 2017	Certificate of Merit	XLIII Annual Conference Association of Surgeons of India – UP Chapter	17-19 November 2017

To add up to this our UG students also have research papers published to their credit as under:

S. No.	Name of Authors	Paper Title	Journal Details (name/ issue/vol./ page nos./ publisher)	ISSN	Journal Type (Online/ Print)
1	1. Mittal L 2. Sharma SC 3. Matreja PS	Awareness of laparoscopic cholecystectomy in rural population.	Indian Journal of Applied Research 2018; 8 (6): 118-9.	2249-555X	O&P
2	1. Shail S, 2. Maqsood M 3. Matreja PS	To Evaluate the Outcome of Use of Inhalers in Patient with Chronic Obstructive Pulmonary Disease (COPD) Following Training.	Int Arch Bio Med Clin Res. 2018; 4 (2): 141-4.	2454-9886; 2454-9894	O&P
3	1. Taneja R, 2. Kumar A 3. Matreja PS 4. Datta D 5. Dutta S	The pattern of histopathology of gall bladder of patients undergoing cholecystectomy	Int J Med Res Prof 2018; 4 (3): 38-41.	2454-6356; 2454-6364	O&P

The Involvement of UG students in research helps in there over all development.